

March
2006

Rebuild Michigan



PARTNER NEWS

► COMMUNITY PARTNERSHIP UPDATE ◀

Rebuild Michigan, part of the U.S. Dept. of Energy's Rebuild America program, is designed to foster partnerships, which will promote increased energy efficiency and renewable energy use within communities. The program focuses on community-based energy planning to insure that local needs are met and that a sustained local effort is established.

Community partnerships develop comprehensive energy use strategies and organize a coalition to work towards fulfilling community energy goals. The partnerships identify energy efficiency opportunities in commercial, institutional and multi-family buildings and encourage installation of improvements that will yield the highest energy and cost savings.

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EOREBUILD

REBUILD GREATER LANSING AREA SCHOOLS

Rebuild Greater Lansing Area Schools partnered with five additional districts during the last quarter including, Waverly, Holt, East Lansing, Potterville, and Lansing Catholic Diocese. Staff members are planning to complete Introductory Energy Evaluations on the new partner buildings in April—May and will later conduct a Technical Energy Analysis on the building offering the most potential.

REBUILD TRAVERSE CITY

Rebuild Traverse City has added new partners during the last quarter including the local Museum and hospital. The Heritage Center recently completed glass retrofit project and plans to begin measuring their energy savings.

REBUILD WASHTENAW COUNTY

Staff at Rebuild Washtenaw County plans to attend a hands-on training in energy auditing at the University of Wisconsin's School of Engineering. After completing this training they expect to offer Introductory Energy Evaluations to commercial buildings within their community and currently have ten buildings identified to receive the service.

REBUILD MICHIGAN STATE UNIVERSITY

Plans for the future are being made for Rebuild Michigan State University. They plan to expand their public awareness campaign for students to twelve more buildings. Campus Resident Hall Managers will be receiving Energy training during the next quarter and students will begin meter analyses in all on campus dorms.

► ANNOUNCING NEW COMMUNITY PARTNERSHIPS ◀

During the month of February Rebuild Michigan grants were awarded to two new community partnerships. The cities of Ecorse and Marshall received grants in the amounts of \$18,309 and 12,376 respectively, which will be administered by the Energy Office. The community partners will promote energy efficiency in commercial buildings along with the generation and use of renewable energy within the community.

The grants will be used to recruit and organize a representative community coalition, initiate local energy planning, identify resources for conducting commercial energy audits and project implementation, develop a 2-5 year action plan, and assess the potential for developing renewable energy projects in their community.

For more information on Michigan's Community Partnerships please contact:
Tom Krupiarz at (517) 241-6184 or takrupi@michigan.gov

► REBUILD MICHIGAN PARTNER UPDATE ◀

During the past quarter Rebuild Michigan enrolled a total of sixteen new public agency partners. The table to the right lists the most recent partners to the program, the square footage they have committed to energy improvements, and potential energy savings. The Rebuild MI team completed eighteen Introductory Energy Evaluations for clients identifying the areas where energy use can be reduced in facilities and recommended technical energy analyses if recommended.

To view the complete list of new clients please go to www.michigan.gov/eorebuild and click on Rebuild MI Energy Services.

Since September, 2003, 192 school districts, local governments, and public housing authorities have become part of the Rebuild Michigan program. Enrolled partners have pledged a total of 127,205,089 square feet to energy efficiency projects, with estimated annual cost savings of \$28,312,673 and estimated investment of \$227,377,413.

Public building owners that are seeking assistance to reduce their energy consumption through cost effective improvements may contact Rob DeBoer or Tim Shireman at (517) 241-6281 or endinfo@michigan.gov

* These numbers were calculated based on the Rebuild America website and may not reflect the actual annual energy savings achievable.

Name	Square Feet	*Potential Annual Energy Savings (MMBTU)
City of Battle Creek	589,315	23573
Hartland Consolidated Schools	1,111,958	22239
City of Warren	394540	15782
Central Montcalm Public Schools	347202	6944
Mason County Eastern Schools	91,900	1838
Lake Town Township	30,000	600
Huron Valley Schools	727293	14546
Alcona Community Schools	109746	2195
Cadillac Housing Commission	81620	1632
City of Iron Mountain	91825	3673

► REBUILD MICHIGAN ANNOUNCEMENT ◀

Rebuild Michigan Advanced Technologies for Energy Efficiency

May 3rd, 2006 * 8:30 - 12:30pm

Lansing, MI

This is a workshop for facility managers, energy consultants, engineers, and architects interested in learning about energy efficient technologies. Participants will receive the latest information on technologies including ground source heat pumps and energy efficient lighting, on success stories from project partner, and will be able to participate in a panel discussion with experts. There will also be opportunities for networking with other participants, and for professional development. A complimentary continental breakfast will be provided.

Interested participants can register online at www.michigan.gov/eoworkshops through April 26th, please register early. There is no registration fee. All available spots will be reserved on a first come first served basis.

► ENERGY SMART SCHOOLS UPDATE ◀

Rebuild Michigan sponsors a statewide energy education initiative entitled EnergySmart Schools, that promotes energy efficiency through energy education and school-wide participation. Students are able to take part in many hands-on activities including "energy patrols" and performing their own energy audits. In addition to integrating energy into education curriculum, schools are encouraged to create extra curricular activities for students, teachers, staff and/or community with the intent of supplementing classroom instruction. Over the last quarter each Michigan EnergySmart School has made progress in improving their energy education resources and program for faculty, staff, and students.

Riverview Community School District art students created energy posters to provide awareness to fellow students, teachers, and parents. At completion the posters were hung at various buildings within the district.

Fraser Public Schools will be providing teachers with photovoltaic materials kits to help their students understand the sun as a renewable energy source during the remainder of the semester. Teachers are also looking to incorporate bio-diesel transportation fuel into upcoming lesson plans.

Laker Public Schools held a successful "Kidwind" workshop in January and are currently organizing, a community-wide energy fair, called Embrace your Earth II, in April.

*Grant applications are being accepted now until May 1 for the 2006-2007 school year. Contact Rob DeBoer or Tim Shireman at (517) 241-6281 or erdinfo@michigan.gov for more information.

► ENERGY STAR UPDATE ◀

The ENERGY STAR label is given to buildings which exhibit high energy efficiency without sacrificing occupant safety and comfort. Buildings with an ENERGY STAR label are in the top 25% for energy efficiency in the nation when compared with buildings used for similar purposes. The U.S. Environmental protection Agency awarded ENERGY STAR status to 363 public buildings in the Midwest region. The table to the left contains a state by state breakdown of total buildings receiving an ENERGY STAR label for 2005 for the Midwest region.

Ohio	96
Minnesota	77
Wisconsin	70
Illinois	68
Michigan	36
Indiana	16
Total U.S.	2,500

Commercial buildings account for more than seventeen percent of the country's greenhouse gas emissions. An ENERGY STAR qualified building uses up to forty percent less energy than non qualified buildings. ENERGY STAR buildings in the Midwest region represent almost sixty-three million square feet with an estimated annual savings of twenty-four million dollars. Each year these buildings prevent 247 million pounds of greenhouse gases from being emitted, , equivalent to emission from about 75,000 automobiles.

Since January 2005 the MI Energy Office has assisted more than 200 facilities with Energy Star Benchmarking. We are working with these building owners to identify measures, that if implemented, would lower their energy consumption.

For more information on how to qualify for the ENERGY STAR label contact: Brandy Minikey at (517) 241-6228 and visit www.michigan.gov/energyoffice or www.energystar.gov.

Lets work together to make Michigan the leading Midwest state for Energy Efficiency!

If you would like to receive the newsletter electronically please e-mail Megan Ingersoll at ingersollm@michigan.gov

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► ENERGY EVENTS ◀

Embrace Your Earth II April 22, 2006 9-4 pm

Laker Elementary School
Pigeon, MI

Contact: Kathy Dickens
kdickens@lakerschools.org
(989) 453-4605

Rebuild Technical Workshop May 03, 2006 830-1 pm

Lansing, MI

Contact: Megan Ingersoll
ingersollm@michigan.gov
(517) 373-0444

Energy Efficiency/ Renewable Energy Conference. May 18-19, 2006

Contact: Steve Schnell, AICP
Village of Mackinaw City
102 S. Huron, PO Box 580
Mackinaw City, MI 49701

Michigan Energy Fair June 16th –18th, 2006

Manistee County Fairgrounds
Onokama, MI

Contact: www.glrea.org
Or by phone: 1-800-434-9788

Advancing Energy Diversity Across the Globe

**Oct 23, 2006
9-5 pm**

NextEnergy Center
Detroit, MI

Contact: www.nextenergy.org

☆ FAST FACTS ☆

Businesses and consumers spend approx. \$58 billion each year on lighting. Advanced lighting technologies can reduce energy consumption and cost.

Fast Facts About Energy Efficiency can be found at www.eia.doe.gov/